

METHODS TO CONFER HERBICIDE RESISTANCE

ABSTRACT OF THE DISCLOSURE

Compositions and methods for conferring herbicide resistance to plant cells and bacterial cells are provided. The methods comprise transforming the cells with nucleotide sequences encoding herbicide resistance genes. In particular, herbicide resistance is conferred by expression of proteins with homology to decarboxylase
5 enzymes. Compositions comprise transformed plants, plant tissues, and seeds, as well as transformed bacterial cells.